

PIPE SPECIFICATION

ISO 4427

Wall thicknesses AS PER ISO 4427

Pipe Series																				
Grade Materials	SDR 6	SDR 7.4	SDR 9	SDR 11	SDR 13.6	SDR 17	SDR 21	SDR 26	SDR 33	SDR 41										
	S 2.5	S 3.2	S 4	S 5	S 6.3	S 8	S 10	S 12.5	S 16	S 20										
Nominal pressure (PN) Bar																				
PE 40	—		PN 10		PN 8		—		PN 5		PN 4		PN 3.2		PN 2.5		—		—	
PE 63	—		—		—		PN 10		PN 8		—		PN 5		PN 4		PN 3.2		PN 2.6	
PE 80	PN 25		PN 20		PN 16		PN 12.5		PN 10		PN 8		PN 6		PN 5		PN 4		PN 3.2	
PE 100	—		PN 25		PN 20		PN 16		PN 12.5		PN 10		PN 8		PN 6		PN 5		PN 4	
Nominal size	Wall thickness (mm)																			
	Cmin	Cmax	Cmin	Cmax	Cmin	Cmax	Cmin	Cmax	Cmin	Cmax	Cmin	Cmax	Cmin	Cmax	Cmin	Cmax	Cmin	Cmax	Cmin	Cmax
16	3.0	3.4	2.3	2.7	2.0	2.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	3.4	3.9	3.0	3.4	2.3	2.7	2.0	2.3	—	—	—	—	—	—	—	—	—	—	—	—
25	4.2	4.8	3.5	4.0	3.0	3.4	2.3	2.7	2.0	2.3	—	—	—	—	—	—	—	—	—	—
32	5.4	6.1	4.4	5.0	3.6	4.1	3.0	3.4	2.4	2.8	2.0	2.3	—	—	—	—	—	—	—	—
40	6.7	7.5	5.5	6.2	4.5	5.1	3.7	4.2	3.0	3.5	2.4	2.8	2.0	2.3	—	—	—	—	—	—
50	8.3	9.3	6.9	8	5.6	6.3	4.6	5.2	3.7	4.2	3.0	3.4	2.4	2.8	2.0	2.3	—	—	—	—
63	10.5	11.7	8.6	9.6	7.1	8.0	5.8	6.5	4.7	5.3	3.8	4.3	3.0	3.4	2.5	2.9	—	—	—	—
75	12.5	13.9	10.3	11.5	8.4	9.4	6.8	7.6	5.6	6.3	4.5	5.1	3.6	4.1	2.9	3.3	—	—	—	—
90	15.0	16.7	12.3	13.7	10.1	11.3	8.2	9.2	6.7	7.5	5.4	6.1	4.3	4.9	3.5	4.0	—	—	—	—
110	18.3	20	15.1	16.8	12.3	13.7	10.0	11.1	8.1	9.1	6.6	7.4	5.3	6.0	4.2	4.8	—	—	—	—
125	21	23.0	17.1	19.0	14.0	15.6	11.4	12.7	9.2	10.3	7.4	8.3	6.0	6.7	4.8	5.4	—	—	—	—
140	23.3	25.8	19.2	21.3	15.7	17.4	12.7	14.1	10.3	11.5	8.3	9.3	6.7	7.5	5.4	6.1	—	—	—	—
160	26.6	29.4	21.9	24.2	17.9	19.8	14.6	16.2	11.8	13.1	9.5	10.6	7.7	8.6	6.2	7.0	-	-	-	—
180	29.9	33.0	24.6	27.2	20.1	22.3	16.4	18.2	13.3	14.8	10.7	11.9	8.6	9.6	6.9	7.7	—	—	—	—
200	33.2	36.7	27.4	30.3	22.4	24.8	18.2	20.2	14.7	16.3	12	13.2	9.6	10.7	7.7	8.6	—	—	—	—
225	37.4	41.3	30.8	34.0	25.2	27.9	20.5	22.7	16.6	18.4	13.4	14.9	10.8	12.0	8.6	9.6	—	—	—	—
250	41.5	45.8	34.2	37.8	27.9	30.8	22.7	25.1	18.4	20.4	14.8	16.4	11.9	13.2	9.6	10.7	—	—	—	—
280	46.5	51.3	38.3	42.3	31.3	34.6	25.4	28.1	20.6	22.8	16.6	18.4	13.4	14.9	10.7	11.9	—	—	—	—
315	52.3	57.7	43.1	47.6	35.2	38.9	28.6	31.6	23.2	25.7	18.7	20.7	15.0	16.6	12.1	13.5	9.7	10.8	7.7	8.6
355	59.0	65.0	48.5	53.5	39.7	43.8	32.2	35.6	26.1	28.9	21.1	23.4	16.9	18.7	13.6	15.1	10.9	12.1	8.7	9.7
400	—	—	54.7	60.3	44.7	49.3	36.3	40.1	29.4	32.5	23.7	26.2	19.1	21.2	15.3	17.0	12.3	13.7	9.8	10.9
450	—	—	61.5	67.8	50.3	55.5	40.9	45.1	33.1	36.6	26.7	29.5	21.5	23.8	17.2	19.1	13.8	15.3	11.0	12.2
500	—	—	—	—	55.8	61.5	45.4	50.1	36.8	40.6	29.7	32.8	23.9	26.4	19.1	21.2	15.3	17.0	12.3	13.7
560	—	—	—	—	62.5	68.9	50.8	56.0	41.2	45.5	33.2	36.7	26.7	29.5	21.4	23.7	17.2	19.1	13.7	15.2
630	—	—	—	—	70.3	77.5	57.2	63.1	46.3	51.1	37.4	41.3	30.0	33.1	24.1	26.7	19.3	21.4	15.4	17.1

Current Production Range

Under Commissioning